

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Jon Wulff PETERSEN et al Conf.: NEW  
Appl. No.: NEW Group: UNKNOWN  
Filed: October 22, 2003 Examiner: UNKNOWN  
For: A SUBSTRATE AND A METHOD FOR DETERMINING  
AND/OR MONITORING ELECTROPHYSIOLOGICAL  
PROPERTIES OF ION CHANNELS

INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION WITH CONTINUATION-IN-PART OR  
RULE 1.53(b) CONTINUATION OR DIVISIONAL APPLICATION)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

October 23, 2003

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-1449 form(s), attached hereto.

II. REFERENCES PREVIOUSLY CITED OR SUBMITTED

Pursuant to 37 C.F.R. § 1.98(d), consideration of information listed on the PTO-1449 form(s) is requested since any patents, publications, or other information which are listed on the PTO-1449 form(s) but for which copies are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Appl. No(s).  
09/676,814

U.S. Filing Date(s)  
October 2, 2000

III. COPIES

Copies of the references mentioned above can be found in parent Application No. 09/676,814. If the Examiner needs copies, he/she is requested to contact the undersigned.

IV. FEES

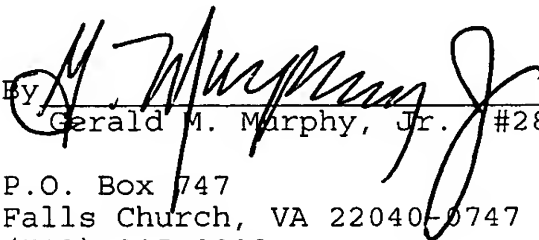
This Information Disclosure Statement is being filed concurrent with the filing of a continuation-in-part, continuation, or divisional patent application; therefore, no fee is required.

If the Examiner has any questions concerning this IDS or requires a copy of any of the references cited but not provided, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By   
Gerald M. Murphy, Jr. #28,977  
P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

GMM/las  
4528-0114P

Attachment(s): ☒ PTO-1449(s)  
☒ References (1)  
☐ Foreign Search Report  
☐ Other:

<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)	ATTY DOCKET NO. <b>4528-0114P</b>	APPLICATION NO. <b>NEW</b>
	APPLICANT <b>John Wulff PETERSEN et al.</b>	
	FILING DATE <b>October 23, 2003</b>	GROUP <b>Unassigned</b>

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 6,315,940	B1	2001-11-13	Nisch et al.			
	US 6,488,829	B1	2002-12-03	Schroeder et al.			
	US 4,055,799		1977-10-25	Coster et al.			
	US 6,267,872	B1	2001-07-31	Akeson et al.			
	US 5,393,401	A	1995-02-28	Knoll			
	US 5,187,096	A	1993-02-16	Giaever et al.			
	US 5,164,319	A	1992-11-17	Hafeman et al.			
	US 4,225,410		1980-09-30	Pace			
	US 4,062,750		1997-12-13	Butler			
	US 2003/0146091		2003-08	Vogel et al.			

### FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION/ ABSTRACT	
								YES	NO
	DE	199 36 302	A1	2001-02-15	GERMANY			X	
	WO	92/21020	A1	1992-11-26	WIPO				
	DE	41 15 414	A	1991-05-10	GERMANY			X	
	WO	01/59447	A1	2001-08-16	WIPO				
	WO	01/27614	A1	2001-04-19	WIPO			X	
	WO	99/66329	A1	1999-12-23	WIPO			X	
	WO	98/54294	A1	1998-12-03	WIPO			X	
	WO	99/34202	A1	1999-07-08	WIPO			X	
	WO	99/31503	A1	1999-06-24	WIPO			X	

### OTHER DOCUMENTS

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

	Neher et al., Pflugers Arch. European Journal of Physiology, Vol. 375, pp. 219-228 (1978)
	J. E. M. McGeoch et al., Brain Research, Vol. 766, pp. 188-194 (1997)
	J. E. M. McGoech et al., Medical & Biological Engineering & Computing 2000; Vol. 38, pp. 113-119 (2000)
	O. P. Hamill et al., Pflugers Arch. European Journal of Physiology, Vol. 391, pp. 85-100 (1981)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449				ATTY DOCKET NO. 4528-0114P		APPLICATION NO. NEW	
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)				APPLICANT John Wulff PETERSEN et al.			
				FILING DATE October 22, 2003		GROUP NEW	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 2003/0098248		2003-05	Vogel et al.			
	US 2003/0052002		2003-03	Vogel et al.			
	US 2002/144905		2002-10	Schmidt			
	US 2002/0104757		2002-08	Schmidt			
	US						
	US						
	US						
	US						
	US						
	US						

FOREIGN PATENT DOCUMENTS									
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION/ ABSTRACT	
								YES	NO
	WO	00/25121	A1	2000-05-04	WIPO				
	WO	94/25862	A1	1994-11-10	WIPO				
	WO	94/15701	A1	1994-07-21	WIPO				
	WO	97/46882	A1	1997-12-11	WIPO				
	EP	0 299 778	A2	1989-01-18	EUROPE			X	
	EP	0 299 779	A2	1989-01-18	EUROPE			X	
	WO	99/31503	A1	1999-06-24	WIPO			X	

OTHER DOCUMENTS	
(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)	
	M. Mullenborn et al., The 8 <sup>th</sup> International Conference on Solid-State Sensors and Actuator, and Eurosensors IX, Stockholm, Sweden, June 25-29, 1995, pp. 166-169
	J. C. Weaver, IEEE Transactions on Plasma Science, Vol. 28, No. 1, Feb. 2000, pp. 24-33
	Kostyuk et al., Nature, Vol. 257, pp. 691-693 (1975).

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.